DATA SHEET

HydraPort® 16 Module Retractable Ports

HPX-1600-NA-SL, US Version Silver (FG550-01-SL)
HPX-1600-NA-BL, US Version Black (FG550-01-BL)
HPX-1600-SL, International Version Silver (FG550-SL)
HPX-1600-BL, International Version Black (FG550-BL)

Overview

HydraPort is the first completely modular, retractable cable connection system built to accommodate the diverse connection needs of conference and meeting room visitors. This sleek, elegant, ergonomic design features a retractable base station that smoothly rises to expose device connections and recedes back down and conceals the typical cable mess that can distract from the business at hand. All this while each cable stays connected.

Common Applications

The HPX-1600 is ideal for boardrooms, conference rooms, meeting rooms or auditoriums where equipment is permanently installed in the room and users must connect to that equipment from a conference table or lectern.

Features

- **Completely Two-Faced** – To provide easy access, HydraPort is double-sided and each side accommodates 8 AV or Data modules, 4 Power modules, 2 Keypad modules or any combination of these.
- **More Ways To Enovate** – HydraPort incorporates the Enova UPX Transmitters behind the scenes to support the Enova® DVX and AVX Presentation Switchers.
- **Elegant and Unassuming** – The cable ring allows HydraPort to retract flush with the table once connections have been made without crimping or binding any connected cables. The typical wire mess is concealed.
- **No Electrician Required** – The integrated IEC power inlet assembly easily connects to four different power modules providing international power support for virtually every country.
- **Control The Room** – Add Metreau® or Novara® Keypad modules to add device, lighting, shade or climate control as well as initiate pre-programmed events – all from the HydraPort console.

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- **Simplifying the Installation** – A sturdy, re-usable cutting template and router bits are available to simplify the process of cutting the table or lectern, ensuring a correct fit every time.

Specifications

General	
Dimensions	Max above mounting surface: 9 9/16" x 10 9/16" x 4 1/2" (243mm x 268mm x 115mm) Max below mounting surface: 15 1/16" x 11 9/16" x 6 1/4" (383mm x 293mm x 159mm) Mounting surface footprint: 10 9/16" x 4 1/2" (268mm x 115mm) Min. mounting surface thickness: 3/4" (19mm) Max mounting surface thickness: 2" (50mm) Table Cutout Dimensions: Use Router Guide
Number of Modules Supported	Module sizes are provided in "HydraPort Units". Modules range in size from 1/2 to 4 1/2 HydraPort Units. Each of the two sides has room for 9 total "HydraPort Units" meaning that each side can support up to 9 total single-space modules. It is generally recommended to install a single-space blank as the top-most module on each side for visibility, leaving space for 8 single-space modules (8 HydraPort Units). These top-most blanks are included with the chassis. When using modules with a decor-style adapter plate as the top-most module, the single-space blank at the top can be omitted. When using a power module that requires 2.5 module spaces, the single-space blank at the top can be replaced with a half-space blank.
Weight	Base Assembly only: 4.4 lbs (2 Kg) Typical Installation: 6.6 lbs (3 Kg)
Available Models	HPX-1600-NA-SL, US Version Silver (FG550-01-SL) HPX-1600-NA-BL, US Version Black (FG550-01-BL) HPX-1600-SL, International Version Silver (FG550-SL) HPX-1600-BL, International Version Black (FG550-BL)

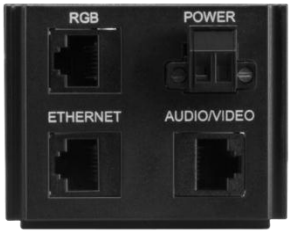
Enclosure	Natural finish metal frame with plastic top and bottom covers moving vertically in a plastic sleeve assembly. Matte black top cover and trim ring (FG550-BL, FG550-01-BL) Matte silver top cover and trim ring (FG550-SL, FG550-01-SL) Matte black module face plates on all I/O modules
Connections	IEC 320 C14 Power cord receptacle on included power inlet assembly (FG550-BL, FG550-SL) Included AC Power Cord (FG-550-01-BL, FG550-01-SL) Rear connections for individual modules are routed through openings in the unit's bottom cover
Certifications	UL 962A (N America versions only)

HPX-1600 COMPATIBLE HYDRAPORT CONNECTION MODULES	
HPX-AV101-HDMI (FG552-24) Single HDMI Module with Integrated Cable 	OVERVIEW The HPX-AV101-HDMI module provides a HDMI connection to the HydraPort chassis. DIMENSIONS 1 HydraPort Unit FRONT PANEL COMPONENTS HDMI connector REAR PANEL COMPONENTS 6’ 6 3/4” (2 m) Cable to HDMI connector
HPX-AV101-DVI (FG552-23) Single DVI-D Module with Integrated Cable 	OVERVIEW The HPX-AV101-DVI module provides a DVI-D connection to the HydraPort chassis. DIMENSIONS 1 HydraPort Unit FRONT PANEL COMPONENTS Female DVI-D connector REAR PANEL COMPONENTS 6’ 6 3/4” (2 m) Cable to male DVI connector
HPX-AV101-DVI-A (FG552-22) DVI-D with Stereo Module with Integrated Cables 	OVERVIEW The HPX-AV101-DVI+A module provides DVI-D video plus stereo audio connectivity to the HydraPort chassis with integrated video and audio cables. DIMENSIONS

	1 HydraPort Unit FRONT PANEL COMPONENTS Female DVI-D connector Female 1/8” stereo mini-jack REAR PANEL COMPONENTS 6’ 6 3/4” (2 m) Cable to male DVI-D connector 6’ 6 3/4” (2 m) Cable to male 1/8” stereo mini-jack audio connector
HPX-AV100-CS+A (FG552-10) Composite with Stereo Module 	OVERVIEW The HPX-AV100-CS+A module provides composite video plus stereo audio connectivity to the HydraPort chassis DIMENSIONS 1 HydraPort Unit FRONT PANEL COMPONENTS 3 female RCA connectors (1 for video, 2 for right/left audio) REAR PANEL COMPONENTS 6-position Phoenix screw-terminal connector
HPX-AV102-RGB+A (FG552-25) RGB with Stereo Module with Integrated Cables 	OVERVIEW The HPX-AV102-RGB+A module provides RGBHV video plus stereo audio connectivity to the HydraPort chassis. DIMENSIONS 1 HydraPort Unit FRONT PANEL COMPONENTS Female HD-15 connector Female 1/8” stereo mini-jack connector REAR PANEL COMPONENTS 6' 6 3/4" (2 m) Cable to male HD-15 connector 6' 6 3/4" (2 m) Cable to male stereo mini-jack connector
HPX-AV100-RGB+A (FG552-11) RGB with Stereo Module 	OVERVIEW The HPX-AV100-RGB+A module provides RGBHV video plus stereo audio connectivity to the HydraPort chassis. DIMENSIONS 1 HydraPort Unit FRONT PANEL COMPONENTS

	Female HD-15 connector Female 1/8” stereo mini-jack connector REAR PANEL COMPONENTS 9-Position Phoenix screw-terminal Connector for Video Signals 3-Position Phoenix screw-terminal Connector for Audio Signals
HPX-C5400-CS+A (FG552-50-BL-K) Composite with Stereo to Cat5 Module 	OVERVIEW The HPX-C5400-CS+A module provides composite video plus stereo audio connectivity to the HydraPort chassis and activates on button press. DIMENSIONS 4.5 HydraPort Units FRONT PANEL COMPONENTS 3 female RCA connectors (1 for video, 2 for right/left audio) REAR PANEL COMPONENTS RJ-45 connector for UDM Cat5
HPX-C5400-VGA+A (FG552-51-BL-K) RGBHV with Stereo to Cat5 Module 	OVERVIEW The HPX-C5400-VGA+A module provides RGBHV video plus stereo audio connectivity to the HydraPort chassis and activates on button press. DIMENSIONS 4.5 HydraPort Units FRONT PANEL COMPONENTS 1 female HD-15 VGA connector 1 female 1/8” stereo mini-jack REAR PANEL COMPONENTS RJ-45 connector for UDM Cat5

HPX-C5400-CN+A (FG552-52-BL-K) Component with Stereo to Cat5 Module 	OVERVIEW The HPX-C5400-CN+A module provides component video plus stereo audio connectivity to the HydraPort chassis and activates on button press. DIMENSIONS 4.5 HydraPort Units FRONT PANEL COMPONENTS 5 female RCA connectors (3 for component video, 2 for right/left audio REAR PANEL COMPONENTS RJ-45 connector for UDM Cat5
HPX-N100-RJ45 (FG553-01) Single Ethernet Module 	OVERVIEW The HPX-N100-RJ45 module provides a single RJ-45 connection to the HydraPort chassis. DIMENSIONS 1 HydraPort Unit FRONT PANEL COMPONENTS 1 RJ-45 connector REAR PANEL COMPONENTS 8-position punch-down block
HPX-N102-RJ45 (FG553-02) Dual Ethernet Module 	OVERVIEW The HPX-N102-RJ45 module provides two RJ-45 connections to the HydraPort chassis. DIMENSIONS 1 HydraPort Unit FRONT PANEL COMPONENTS 2 RJ-45 connectors REAR PANEL COMPONENTS 2 8-position punch-down blocks
HPX-N100-USB (FG553-11) Single USB Module with Integrated Cable 	OVERVIEW The HPX-N100-USB module provides a single USB connection to the HydraPort chassis DIMENSIONS 1 HydraPort Unit FRONT PANEL COMPONENTS Female USB Type A connector

	REAR PANEL COMPONENTS 6’ 6 3/4” (2 m) Cable to male USB Type A connector
HPX-CPT200 (FG552-41) Cable Pass-Thru Module 	OVERVIEW The HPX-CPT200 provides a convenient way to keep cables out of site in a HydraPort HPX-1600 chassis, while still being readily available to connect when needed. DIMENSIONS 2 HydraPort Units
HPX-U100-BTN (FG554-01) Single Button Module with LED 	OVERVIEW The HPX-U100-BTN module provides discrete button control to the HydraPort chassis. DIMENSIONS 1 HydraPort Unit FRONT PANEL COMPONENTS Single push-button with LED back-light REAR PANEL COMPONENTS 2-position Phoenix screw-terminal connector for LED 2-position Phoenix screw-terminal connector for push button closure
HPX-U200-MOD (FG554-81) Modero® Connection Module 	OVERVIEW The HPX-U200-MOD module provides a connection for a Modero Tabletop Touch Panel to the HydraPort chassis. DIMENSIONS 2 HydraPort Units FRONT PANEL COMPONENTS 3 RJ-45 connectors 1 2-position Phoenix connector REAR PANEL COMPONENTS 3 8-position punch-down blocks 1 2-position Phoenix screw-terminal connector
HPX-U400-MET-6N (FG554-11-BL-K) Metreau® 6-Button Keypad Kit with Carrier	OVERVIEW The HPX-U400-MET-6N module is a Metreau 6-Button keypad in a carrier that allows it to be installed into the HydraPort chassis. FEATURES ° Includes navigation wheel for simplified control ° Blue LEDs light up when buttons are pressed

	° Conveniently matches the styling of the NI-3101-SIG Controller DIMENSIONS 4.5 HydraPort Units FRONT PANEL COMPONENTS Pushbuttons – 6 tactile pushbuttons with blue LED indicators that illuminate when pressed to confirm the source/function was selected and that it is currently being used. These pre-printed buttons are field-replaceable IR Sensor – Supports standard AMX IR (38 kHz only) LED Levels Indicator - set of 7 blue LEDs provide level feedback Navigation Wheel – consists of 5 pushbuttons: 4 directional pushbuttons (up, down, right, left), 1 center pushbutton, and bi-directional rotating wheel for channel adjustments REAR PANEL COMPONENTS DIP switch – 8 position mini DIP switch used to set the device address for the keypad on the AxLink Bus (1-255) AxLink connector - 4 pin 3.5mm Phoenix connector for AxLink connection to the NetLinx Master
HPX-U400-MET-7 (FG554-13-BL-K) Metreau 7-Button Keypad Kit with Carrier 	OVERVIEW The HPX-U400-MET-7 module is a Metreau 7-Button keypad in a carrier that allows it to be installed into the HydraPort chassis. FEATURES ° AxLink connectivity to NetLinx master Standard buttons include TUNER, DVD, LIGHTS, FAN, BLINDS, DISPLAY, and +/- ° Blue LEDs glow to indicate button selection ° Conveniently matches NI-3101-SIG Controller ° Bottom button can act as a single button or as two buttons DIMENSIONS 4.5 HydraPort Units FRONT PANEL COMPONENTS

	7 tactile pushbuttons with blue LED indicators that illuminate when pressed to confirm the source/function was selected and that it is currently being used. These pre-printed buttons are field-replaceable. The bottom button functions as 2 buttons - there are 2 positions (left and right) that allow the user to control channel/levels (up/down). Blue LEDs indicate activity REAR PANEL COMPONENTS DIP switch - 8 position mini DIP switch used to set the device address for the keypad on the AxLink Bus AxLink connector - Wiring - 4-pin 3.5mm Phoenix AxLink connector
HPX-U400-MET-13 (FG554-12-BL-K) Metreau 13-Button Keypad Kit with Carrier 	OVERVIEW The HPX-U400-MET-13 module is a Metreau 13-Button keypad in a carrier that allows it to be installed into the HydraPort chassis. FEATURES ° AxLink connectivity to NetLinx master ° Standard buttons include 1-9, 0, ENTER, SAVE, and +/- ° Blue LEDs glow to indicate button selection ° Conveniently matches the NI-3101-SIG Controller ° Bottom button can act as a single button or as two buttons DIMENSIONS 4.5 HydraPort Units FRONT PANEL COMPONENTS 13 tactile pushbuttons with blue LED indicators that illuminate when pressed to confirm the source/function was selected and that it is currently being used (12 single-width, 1 double-width). These pre-printed buttons are field-replaceable. The bottom button functions as 2 buttons - there are 2 positions (left and right) that allow the user to control channels (up/down). Blue LEDs indicate activity REAR PANEL COMPONENTS DIP switch - 8 position mini DIP switch used to set the device address for the keypad on the AxLink Bus

	AxLink connector - Wiring - 4-pin 3.5mm Phoenix AxLink connector
HPX-U400-CP-1008 (FG554-71-BL) Novara 8-Button ControlPad (US) Module 	OVERVIEW The HPX-U400-CP-1008 module is a Novara 8-Button (US) ControlPad designed to install directly into the HydraPort chassis. FEATURES ° 8-button panel layout ° Blue, backlit buttons with programmable feedback ° Includes acetate sheet with 50 pre-cut button label inserts for easy, cost effective labeling ° 1315 events per panel DIMENSIONS 4 HydraPort Units BUTTON LAYOUT 8 buttons Blue, backlit buttons with programmable feedback MAX NUMBER OF EVENTS PER CONTROLPAD 1315 REAR PANEL COMPONENTS 2 relay ports for relay control 1 RS-232 port 1 IR port 1 input detection port 1 USB device configuration port SUPPORTED BAUD RATES 1200 - 115200

HPX-U400-SP-08-AX (FG554-51-BL)

Novara 8-Button Keypad with AxLink (US) Module

OVERVIEW

The HPX-U400-SP-08-AX module is a Novara 8-Button (US) AxLink KeyPad designed to install directly into the HydraPort chassis.

FEATURES

- 8-button panel layout
- 4-pin AxLink connector and Status LED
- Blue, backlit buttons with controllable feedback
- Includes acetate sheet with 50 pre-cut button label inserts for easy, cost effective labeling
- One bi-directional RS-232 port, with accompanying loop through

DIMENSIONS

4 HydraPort Units

POWER REQUIREMENTS

Minimum: 80mA / Maximum: 130mA @ 12 VDC

BUTTON LAYOUT

8 buttons; blue, backlit buttons with controllable feedback

REAR PANEL COMPONENTS

4-pin AxLink connector/Status LED; RS-232 port, with accompanying loop-through port; power connector

RS-232 PROTOCOL

Baud rate: 9600

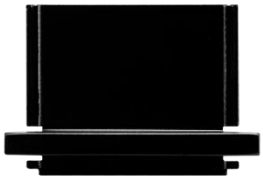
data Bits: 8

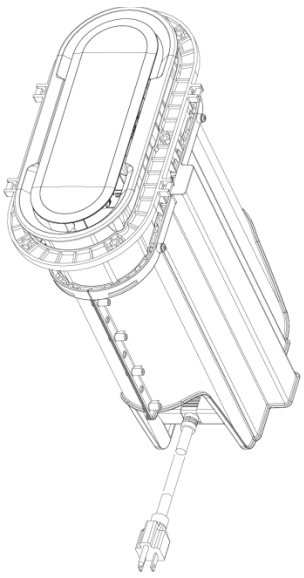
Stop Bits: 1

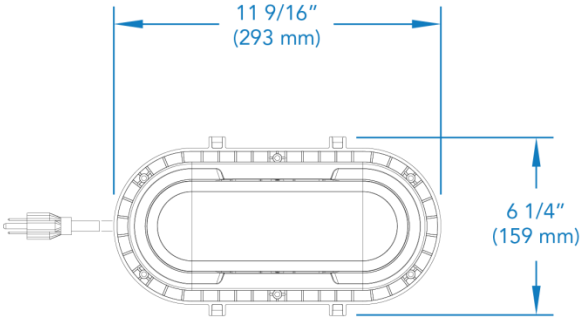
Parity: No Parity

HPX-P200-US (FG561-01) Power Outlet (US) Module 	OVERVIEW The HPX-P200-US module provides power connectivity for US plug types to the HydraPort chassis. DIMENSIONS 2 HydraPort Units FRONT PANEL COMPONENTS US Power Receptacle REAR PANEL COMPONENTS Discrete hot, neutral and ground wires terminated in a 3-pin connector that connects directly to a mating header on the power inlet assembly
HPX-P250-UK (FG551-11) Power Outlet (UK) Module 	OVERVIEW The HPX-P250-UK module provides power connectivity for UK plug types to the HydraPort chassis. DIMENSIONS 2.5 HydraPort Units FRONT PANEL COMPONENTS UK Power Receptacle REAR PANEL COMPONENTS Discrete hot, neutral and ground wires terminated in a 3-pin connector that connects directly to a mating header on the power inlet assembly
HPX-P200-EU (FG551-21) Power Outlet (EU) Module 	OVERVIEW The HPX-P200-EU module provides power connectivity for EU plug types to the HydraPort chassis. DIMENSIONS 2 HydraPort Units FRONT PANEL COMPONENTS EU Power Receptacle REAR PANEL COMPONENTS Discrete hot, neutral and ground wires terminated in a 3-pin connector that connects directly to a mating header on the power inlet assembly

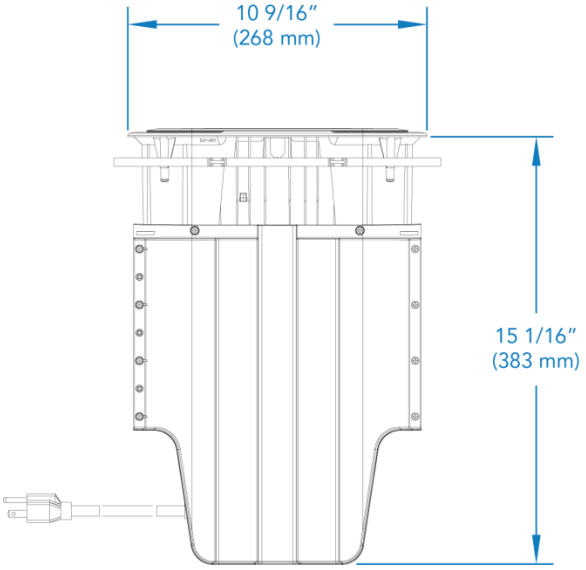
HPX-P200-AU (FG551-31) Power Outlet (AU) Module 	OVERVIEW The HPX-P200-AU module provides power connectivity for AU plug types to the HydraPort chassis. DIMENSIONS 2 HydraPort Units FRONT PANEL COMPONENTS AU Power Receptacle REAR PANEL COMPONENTS Discrete hot, neutral and ground wires terminated in a 3-pin connector that connects directly to a mating header on the power inlet assembly
HPX-P250-IN (FG551-41) Power Outlet (IN) Module 	OVERVIEW The HPX-P250-IN module provides power connectivity for UK plug types to the HydraPort chassis. DIMENSIONS 2.5 HydraPort Units FRONT PANEL COMPONENTS IN Power Receptacle REAR PANEL COMPONENTS Discrete hot, neutral and ground wires terminated in a 3-pin connector that connects directly to a mating header on the power inlet assembly
HPX-B050 (FG558-01) 1/2 M Blank Panel 	OVERVIEW Blanks are available for unused slots in the HydraPort chassis. DIMENSIONS 1/2 HydraPort Unit
HPX-B100 (FG558-02) 1 M Blank Panel 	OVERVIEW Blanks are available for unused slots in the HydraPort chassis. DIMENSIONS 1 HydraPort Unit

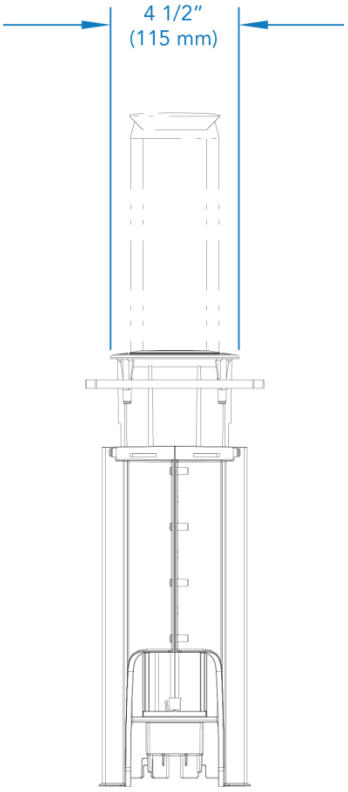
HPX-B200 (FG558-03) 2 M Blank Panel 	OVERVIEW Blanks are available for unused slots in the HydraPort chassis. DIMENSIONS 2 HydraPort Units
HPX-B050-L (FG558-11) 1/2 M Custom Label Panel 	OVERVIEW The HPX-B050-L is a blank panel that is pad printed with custom text, and is available for labeling slots in the HydraPort chassis. DIMENSIONS 1/2 HydraPort Unit
HPX-B100-L (FG558-12) 1 M Custom Label Panel 	OVERVIEW The HPX-B100-L is a blank panel that is pad printed with custom text, and is available for labeling slots in the HydraPort chassis. DIMENSIONS 1 HydraPort Unit
HPX-AC-SB (FG559-01) Stop Block 	OVERVIEW The HPX-AC-SB is a stop block used to permanently limit the vertical travel of a partially-filled chassis to only expose the populated modules.





HPX-1600
(Top View)





About AMX

AMX hardware and software solutions simplify the implementation, maintenance, and use of technology to create effective environments. With the increasing number of technologies and operating platforms at work and home, AMX solves the complexity of managing this technology with reliable, consistent and scalable systems. Our award-winning products span control and automation, system-wide switching and audio/video signal distribution, digital signage and technology management. They are implemented worldwide in conference rooms, homes, classrooms, network operation / command centers, hotels, entertainment venues, broadcast facilities, and more. ©2012 AMX. All rights reserved.

Specifications subject to change. Revised 7-Jan-13.

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